

ABSTRACT

The optical amplifier apparatus comprises an optical amplifier (3) which amplifies an input signal light, an output detecting unit (5) which detects an output level of 5 the optical amplifier, an output control unit (6) which controls an output level of the optical amplifier according to an output level detected by the output detecting unit (5), a gain inclination detecting unit (7) which detects a gain inclination relating to a wavelength of the optical 10 amplifier, and a gain inclination control unit (8) which controls a gain inclination of the optical amplifier (3) according to a gain inclination detected by the gain inclination detecting unit (7).